Postdoctoral Position in Optical Imaging and Spectroscopy

The Marquette University and Medical College of Wisconsin Department of Biomedical Engineering (MU-MCW BME) has an immediate opening for a Postdoctoral Research Associate position in optical imaging and spectroscopy. Applicants with experience in one or more of the following areas: endoscopy, fluorescence imaging, optical microscopy, polarization imaging, optical spectroscopy, or closely related areas, are encouraged to apply. The initial appointment is for one year with possible renewal based on satisfactory performance and continued funding. Compensation will be commensurate with experience and qualifications.

The Biophotonics Lab in the MU-MCW BME Department develops novel optical imaging and spectroscopy devices that are more accurate, reliable, and cost-effective, with applications in cancer detection and therapeutic monitoring. The candidate will be involved in various phases of translational research, from device design, instrumentation and laboratory test to preclinical and clinical studies, and will have abundant opportunities to collaborate with engineers, computer scientists, statisticians and physicians. More information about the lab can be found at http://www.eng.mu.edu/biophotonics.

MU is a comprehensive university with a tradition of excellence in engineering and research collaboration with MCW. The Biomedical Engineering Program was established in 1968 and became a Department in 1990. The Department promoted growth of research and education with recognized programs in orthopedics, rehabilitation engineering, medical imaging, cardiopulmonary modeling, device development, informatics and computational biology. MCW is a national leader in medical research and ranks in the top third of US medical schools with $158M in extramural research funding. Areas of research strength include genomics, imaging, cancer, cardiovascular research, neurosciences and injury research. It has 1500 faculty and 1250 medical and graduate students. The long term, productive collaboration between MU and MCW had previously culminated in the formation of joint degree programs in Functional Imaging (PhD), Healthcare Technology Management (MS) and Bioinformatics (MS). The new joint department offers BS, MS, ME and PhD degrees, currently has over 350 undergraduate students and 50 graduate students and in 7 years is projected to enroll more than 523 students across all degrees with the greatest growth in Masters and PhD disciplines.

The preferred candidate should have:
- A PhD in biomedical engineering, electrical engineering, biophysics, or other relevant discipline.
- Publications in peer-reviewed journals in one of the above areas.
- Ability of conducting independent research and strong problem-solving skills.
- Evidence of conducting collaborative research in a multidisciplinary environment.
- Excellent oral and written communication skills in English.

For more information about the position, please email Dr. Yu at bing.yu@marquette.edu.

To Apply, please submit your application materials at: https://employment.marquette.edu/postings/9698